

ENERGY STAR Purchasing Resources



ENERGY STAR® Purchasing Resources



- ENERGY STAR® Purchasing resources help organizations identify, specify, and purchase ENERGY STAR® qualified products as part of an overall energy management strategy.

The ENERGY STAR® Label



- A trusted symbol that identifies products with superior energy performance
- Voluntary labeling program jointly managed by EPA and DOE
- Over 40 product categories and 14,000 product models

Benefits of Purchasing ENERGY STAR® Qualified Products



- Equivalent or better quality
- Lower utility bills
- Consume less energy
- Consume less water (relevant products)
- Publicly demonstrate commitment to environment

ENERGY STAR® Qualified Product Categories



Lighting

Appliances

Consumer Electronics

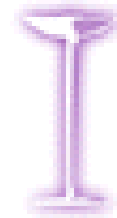
Office Equipment

Heating & Cooling

Windows & Roofing

Transformers

Traffic Lights



ENERGY STAR® Purchasing Tools



- Product listings
- Sample product specifications
- Sample drop-in procurement language
- Sample savings calculators/Life Cycle Cost

Access: www.energystar.gov/purchasing

Example: Procurement Language & Specifications -



- Drag and drop procurement language

The Vendor Must:

Provide exit signs that meet the ENERGY STAR guidelines for energy efficiency. For ENERGY STAR qualified exit sign guidelines, see table:

- Input power - ≤ 5 watts
- Luminance contrast - > 0.8
- Average luminance- > 15 cd/m²
(measured at 0° and 45° viewing angles)
- Manufacturer warranty - 5 years

Savings Calculator - Exit Signs



- **Purchasing Assumptions**
 - Number of exit signs: 500
 - Purchase price
 - ENERGY STAR: \$85
 - Non- ENERGY STAR : \$55
 - Lamp Replacement Costs
 - ENERGY STAR : \$0 each year
 - Non- ENERGY STAR : \$16 total each year
 - Electricity cost: \$0.06/kWh

Savings Calculator - Exit Signs



	<u>ENERGY STAR</u>	<u>Non- ENERGY STAR</u>
<i>Annual Operating Cost</i>		
Energy cost	\$1,314	\$10,512
Maintenance cost	\$0	\$13,860
Total:	\$1,314	\$24,372
 <i>Life Cycle Cost</i>		
Lifetime operating cost	\$10,658	\$188,315
Purchase price	\$42,500	\$27,500
Total:	\$53,158	\$215,815

Savings Calculator - Exit Signs



- **Savings Results**
 - Total annual savings: \$23,058
 - Total net life cycle savings: \$162,658
 - Payback in 8 months
 - Carbon emissions reduction equivalent to removing 229 cars from the road.

Example: Savings with Monitor Power Management (MPM)



MPM: Downloadable software that enables low power mode on monitors

- EZ-SAVE: networked computers
- EZ-WIZARD: stand-alone computers

Benefits

- Saves 200,000 kWh/yr per 1000 monitors
or \$12,000/yr (\$.06/kWh)

Monitor Power Management



Features

- Polls monitors to determine settings
- Generates reports with polling results
- Sets appropriate settings on networked monitors
- Sets appropriate screen saver settings to retain screen saver images

ENERGY STAR®

Purchasing Resources



- Communications
 - Fact sheets & case studies
 - PowerPoint presentations
 - Articles
- Internet Presentations
 - Conduct presentations for individual organizations

5 Steps for Procuring ENERGY STAR® Qualified Products



- 1 **Review** purchasing policies and identify product categories where savings exist
- 2 **Visit** www.energystar.gov/purchasing for product listings, and access Savings Calculators to determine savings opportunities
- 3 **Coordinate** with appropriate offices within organization to encourage the purchase of identified ENERGY STAR products
- 4 **Modify** procurement language and inform employees
- 5 **Track and communicate** success

Summary



Comprehensive support for ENERGY STAR purchasing

- Support in implementing 5 Steps
- Briefings for procurement officials on ENERGY STAR Purchasing Resources
- Energy Savings Calculators
- Communications resources
- Case study examples
- Web-based services to facilitate purchasing

For more information:



- Toll Free Hotline
 - 1-888-STAR-YES (782-7937)
- Online
 - www.energystar.gov/purchasing
 - www.eere.energy.gov/femp

For More Information:



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